

Statistical Comparison between the Neural Network and Linear Model Performance

Correlation

Epoch	χ^2	DF	N	p
400ms	26.86	1	32	<0.0001
700ms	32.56	1	32	<0.0001
1400ms	47.27	1	32	<0.0001
2800ms	37.32	1	32	<0.0001

Maximum Absolute Value

Epoch	χ^2	DF	N	p
400ms	21.95	1	32	<0.0001
700ms	33.18	1	32	<0.0001
1400ms	46.16	1	32	<0.0001
2800ms	39.48	1	32	<0.0001

R^2

Epoch	χ^2	DF	N	p
400ms	31.50	1	32	<0.0001
700ms	37.98	1	32	<0.0001
1400ms	47.26	1	32	<0.0001
2800ms	41.71	1	32	<0.0001

Note: The values in the tables are uncorrected.